



04/08/13

Technical Report for

Anderson, Mulholland & Associates

BMSMC, Building 5 Area, PR

SM04.00.06 Area E ICM

Accutest Job Number: JB29314R

Sampling Dates: 02/19/13 - 02/20/13

Report to:

Anderson, Mulholland & Associates

ttaylor@amaiconsult.com

ATTN: Terry Taylor

Total number of pages in report: 14



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Anderson, Mulholland & Associates

Job No: JB29314R

BMSMC, Building 5 Area, PR
Project No: SM04.00.06 Area E ICM

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB29314-1R	02/19/13	16:10 TT	02/21/13	SO	Soil	AREAEC7_BOT
JB29314-2R	02/20/13	13:00 TT	02/21/13	SO	Soil	AREAEC8_7FT
JB29314-3R	02/20/13	13:45 TT	02/21/13	SO	Soil	AREAEC8_BOT
JB29314-4R	02/20/13	13:45 TT	02/21/13	SO	Soil	AREAEC8_BOTD

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Anderson, Mulholland & Associates

Job No JB29314R

Site: BSMC, Building 5 Area, PR

Report Date 4/1/2013 4:58:54 PM

On 02/21/2013, 4 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB29314R was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method SW846-8015C (DAI)

Matrix: SO

Batch ID: GGH4266

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB31283-15RMS, JB31283-15RMSD were used as the QC samples indicated.
- JB29314-4R: Sample analyzed outside the holding time per client's request.
- JB29314-3R: Sample analyzed outside the holding time per client's request.
- JB29314-2R: Sample analyzed outside the holding time per client's request.
- JB29314-1R: Sample analyzed outside the holding time per client's request.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

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Job Number: JB29314R
Account: Anderson, Mulholland & Associates
Project: BMSMC, Building 5 Area, PR
Collected: 02/19/13 thru 02/20/13



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB29314-1R	AREAEC7_BOT					
Methanol ^a		32100	280	66	ug/kg	SW846-8015C (DAI)
JB29314-2R	AREAEC8_7FT					
Methanol ^a		43500	220	53	ug/kg	SW846-8015C (DAI)
JB29314-3R	AREAEC8_BOT					
Methanol ^a		62600	340	81	ug/kg	SW846-8015C (DAI)
JB29314-4R	AREAEC8_BOTD					
Methanol ^a		39400	320	77	ug/kg	SW846-8015C (DAI)

(a) Sample analyzed outside the holding time per client's request.

Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID:	AREAEC7_BOT	Date Sampled:	02/19/13
Lab Sample ID:	JB29314-1R	Date Received:	02/21/13
Matrix:	SO - Soil	Percent Solids:	72.7
Method:	SW846-8015C (DAI)		
Project:	BMSMC, Building 5 Area, PR		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	GH92233.D	1	03/20/13	XPL	n/a	n/a	GGH4266
Run #2							

Run #	Initial Weight
Run #1	5.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-63-0	Isopropyl Alcohol	ND	140	64	ug/kg	
67-56-1	Methanol	32100	280	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	87%		58-133%
111-27-3	Hexanol	70%		58-133%

(a) Sample analyzed outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	AREAEC8_7FT	Date Sampled:	02/20/13
Lab Sample ID:	JB29314-2R	Date Received:	02/21/13
Matrix:	SO - Soil	Percent Solids:	90.5
Method:	SW846-8015C (DAI)		
Project:	BMSMC, Building 5 Area, PR		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	GH92234.D	1	03/20/13	XPL	n/a	n/a	GGH4266
Run #2							

Run #	Initial Weight
Run #1	5.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-63-0	Isopropyl Alcohol	ND	110	51	ug/kg	
67-56-1	Methanol	43500	220	53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	94%		58-133%
111-27-3	Hexanol	81%		58-133%

(a) Sample analyzed outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	AREAEC8_BOT	Date Sampled:	02/20/13
Lab Sample ID:	JB29314-3R	Date Received:	02/21/13
Matrix:	SO - Soil	Percent Solids:	59.1
Method:	SW846-8015C (DAI)		
Project:	BMSMC, Building 5 Area, PR		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	GH92235.D	1	03/20/13	XPL	n/a	n/a	GGH4266
Run #2							

Run #	Initial Weight
Run #1	5.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-63-0	Isopropyl Alcohol	ND	170	79	ug/kg	
67-56-1	Methanol	62600	340	81	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	97%		58-133%
111-27-3	Hexanol	80%		58-133%

(a) Sample analyzed outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	AREAEC8_BOTD	Date Sampled:	02/20/13
Lab Sample ID:	JB29314-4R	Date Received:	02/21/13
Matrix:	SO - Soil	Percent Solids:	57.6
Method:	SW846-8015C (DAI)		
Project:	BMSMC, Building 5 Area, PR		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	GH92236.D	1	03/20/13	XPL	n/a	n/a	GGH4266
Run #2							

Run #	Initial Weight
Run #1	5.4 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-63-0	Isopropyl Alcohol	ND	160	75	ug/kg	
67-56-1	Methanol	39400	320	77	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
111-27-3	Hexanol	93%		58-133%
111-27-3	Hexanol	89%		58-133%

(a) Sample analyzed outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

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Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



ACCUTEST
Laboratories

CHAIN OF CUSTODY

2235 Route 130, Dayton NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # 79479315 3513		Bottle Order Control #	
Accutest Quote #		Accutest Job # JB 29314	
Client / Reporting Information		Project Information	
Company Name AMAI		Project Name Area E ICM	
Address 110 Corporate Park Drive		Street	
City White Plains NY		City	
State NY		State	
Zip 10604		Zip	
Project Contact T. Taylor		Project #	
E-mail ttaylor@amaiconsult.com		Fax #	
Phone #		Sampler's Name	
Client Purchase Order #		Requested Analysis	
Matrix Codes		Matrix Codes	
DW - Drinking Water		DW - Drinking Water	
GW - Ground Water		GW - Ground Water	
WW - Water		WW - Water	
SW - Surface Water		SW - Surface Water	
SO - Soil		SO - Soil	
SL - Sludge		SL - Sludge	
OI - Oil		OI - Oil	
LIQ - Other Liquid		LIQ - Other Liquid	
AIR - Air		AIR - Air	
SOL - Other Solid		SOL - Other Solid	
WP - Wipe		WP - Wipe	
LAB USE ONLY		LAB USE ONLY	

Accutest Sample #	Field ID / Point of Collection	SUMMA # MEOH Vial #	Collection		Matrix	# of bottles	Number of preserved Bottles											
			Date	Time			41	42	43	44	45	46	47	48	49	50	51	52
-1	AREAEC7-BOT		2/14/13	1640	SO	4												
-2	AREAEC8-7FT		2/20/13	1300	SO	4												
-3	AREAEC8-BOT		2/20/13	1345	SO	4												
-4	AREAEC8-BOTD		2/20/13	1345	SO	4												

Turnaround Time (Business Days)		Data Deliverable Information		Comments / Remarks	
<input checked="" type="checkbox"/> Std. 15 Business Days	Approved By: / Date:	<input type="checkbox"/> Commercial "A"	<input type="checkbox"/> FULL CLP	3 Enclosures TAs 2/21/13	
<input type="checkbox"/> 10 Day RUSH		<input type="checkbox"/> Commercial "B"	<input type="checkbox"/> NYASP Category A		
<input type="checkbox"/> 5 Day RUSH		<input type="checkbox"/> NJ Reduced	<input type="checkbox"/> NYASP Category B		
<input type="checkbox"/> 3 Day EMERGENCY		<input type="checkbox"/> NJ Full	<input type="checkbox"/> State Forms		
<input type="checkbox"/> 2 Day EMERGENCY		<input checked="" type="checkbox"/> Other Full T1	<input type="checkbox"/> EDD Format		
<input type="checkbox"/> 1 Day EMERGENCY		Commercial "A" = Results Only			
<input type="checkbox"/> Other					

Emergency & Rush T/A data available VIA LabLink					
Sample Custody must be documented below each time samples change possession, including courier delivery					
Relinquished by: [Signature]	Date Time: 2/20/13 1500	Received by: FedEx	Relinquished by: FedEx	Date Time: 2/21/13 0930	Received by: [Signature]
Relinquished by:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
Relinquished by:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
Relinquished by:	Date Time:	Received by:	Custody Seal # 708	Preserved where applicable <input type="checkbox"/>	Cooler Temp. 3.0°C

rec'd intact TAs 2/21/13

JB29314R: Chain of Custody

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB29314 **Client:** _____ **Project:** _____
Date / Time Received: 2/21/2013 **Delivery Method:** _____ **Airbill #s:** _____
Cooler Temps (Initial/Adjusted): #1: (3/3); 0

Cooler Security

	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Cooler Temperature

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:	Bar Therm _____		
3. Cooler media:	Ice (Bag) _____		
4. No. Coolers:	1 _____		

Quality Control Preservation

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Sample Integrity - Documentation

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Sample Integrity - Condition

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:	Intact _____		

Sample Integrity - Instructions

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

Job Change Order: JB29314_3_15_2013

Requested Date:	3/15/2013	Received Date:	2/21/2013
Account Name:	Anderson, Mulholland &	Due Date:	3/7/2013
Project	BMSMC, Building 5 Area, PR	Deliverable:	FULT1
CSR:	michello	TAT (Days):	14

=====

Sample #: JB29314-All
Dept:
Dept:

Change:
Please relog for D8015IPA & DGC+METH. OK to
run out of hold time.

=====

Above Changes Per: Terry Taylor Date: 3/15/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

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